

C. C. MALTBY.
LEAF OR SHEET FOR LOOSE LEAF BINDERS.
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920,072.

Patented Apr. 27, 1909.

Fig. 1

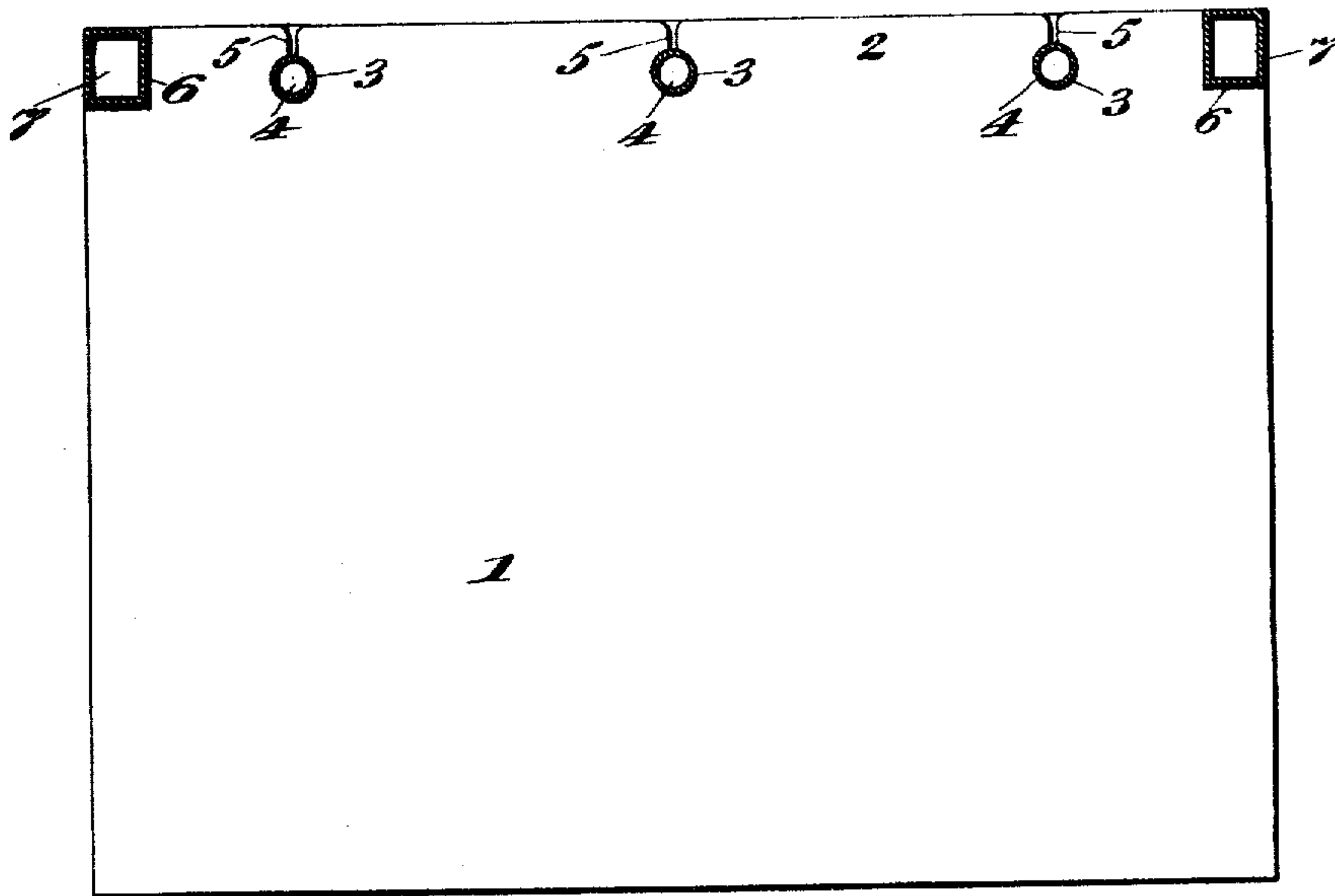
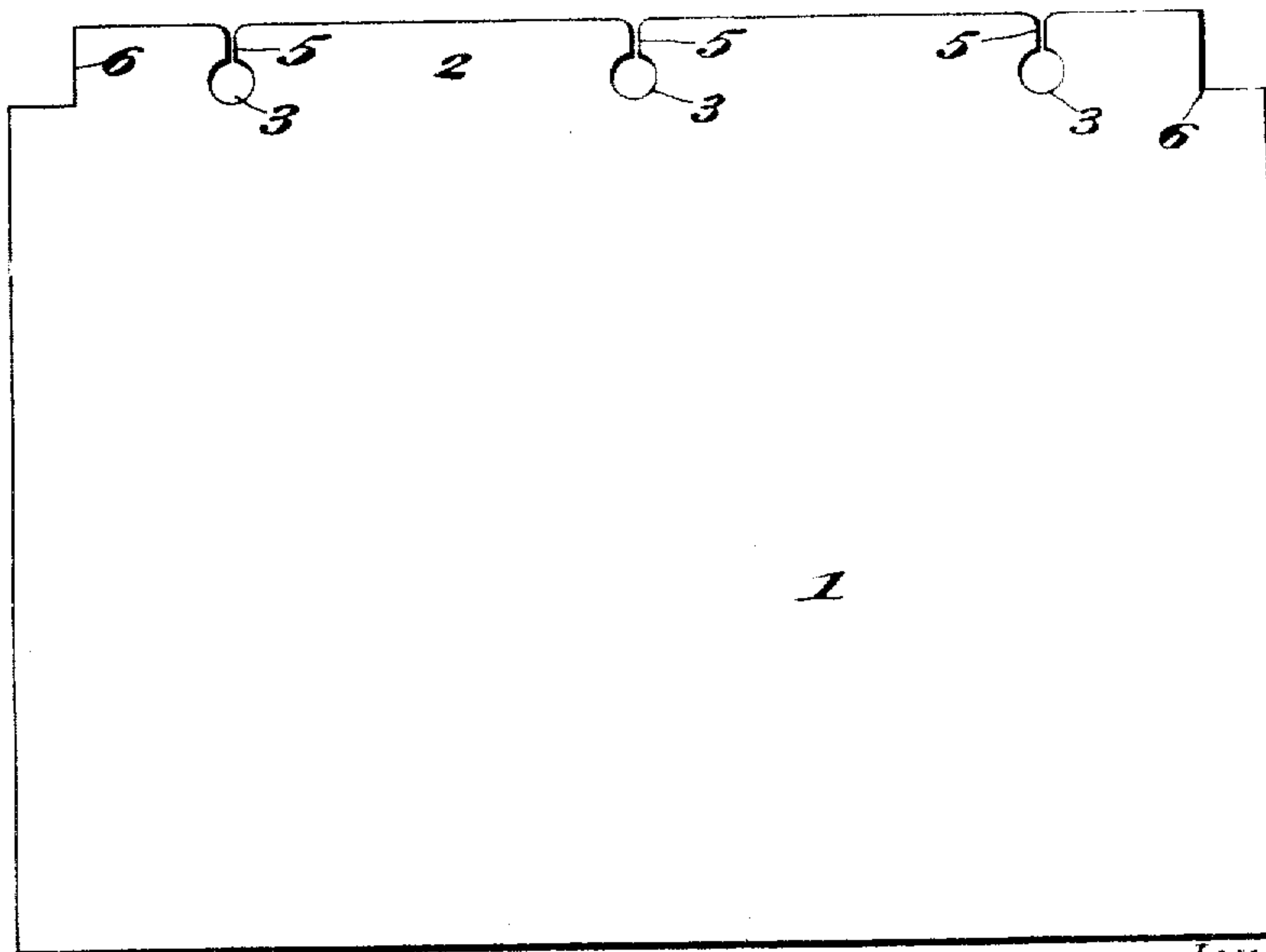


Fig. 2



INVENTOR

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UNITED STATES PATENT OFFICE.

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LEAF OR SHEET FOR LOOSE-LEAF BINDERS.

No. 920,072.

Specification of Letters Patent.

Patented April 27, 1909.

Original application filed August 1, 1902, Serial No. 117,939. Divided and this application filed June 9, 1908. Serial No. 320,930.

To all whom it may concern:

Be it known that I, CHARLES C. MALTBY, a citizen of the United States of America, and a resident of Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Leaves or Sheets for Loose-Leaf Binders, of which the following is a specification.

This invention relates to certain improvements in leaves or sheets for use in connection with loose-leaf binders and the like, and more particularly in connection with that class of binders wherein the opposite ends of the binder-back are provided with devices for engagement with opposite ends of the binding edges of the leaves or sheets for holding the forward and lateral edges of the leaves or sheets in alignment when contained within the binder and of which the binder is shown and described in my patent pending application, Serial No. 117,939, filed August 1, 1902, (of which the present application is a subdivision) is a type and the object of the invention is to provide a leaf or sheet of this general character of a simple and inexpensive nature and of a construction adapting it for accurate engagement with said alining devices of the binder-back without in any way interfering with the free and convenient removal or insertion of the leaf or sheet within the binder and in engagement with the leaf or sheet retaining means thereof.

The invention consists in certain novel features of the construction of the improved leaf or sheet, whereby the same is made readily insertible in and removable from the binder in and out of engagement with the alining devices thereof and whereby certain important advantages are attained, all as will be hereinafter fully set forth.

The novel features of the invention will be carefully defined in the claims.

In the accompanying drawings which serve to illustrate my invention—Figure 1 is a sectional view taken transversely through the alining devices and leaf or sheet-retaining means of a binder such as is described and claimed in my above-mentioned patent application and showing a leaf or sheet embodying my improvements engaged with the same, and Fig. 2 is a view showing my improved leaf or sheet detached from the binder.

In these views, 1 indicates the improved leaf or sheet having straight lateral and front edges and having its straight binding-edge portion 2 provided with circular apertures 3, 3 spaced apart from each other at suitable intervals for the passage of the leaf or sheet retaining means 4, 4, shown in Fig. 1 as made in rounded tubular form, although they may be otherwise formed, in which case the openings 3, 3 will be shaped to fit closely about the same.

5, 5 represent slitted openings extended rearwardly from apertures 3, 3 to the said straight binding edge of the leaf or sheet for adapting the improved leaf or sheet to be slipped edgewise in and out of engagement with the leaf or sheet retaining means 4, 4 in a well-known way.

At the extreme opposite ends or corners of the binding-edge portion 2 of the improved leaf or sheet are produced open, right-angled cut-out portions or shoulders 6, 6, adapted to fit snugly around the angles formed by the inner and forward sides of the alining devices 7, 7, at opposite ends of the binder-back, said devices being in the form of hollow rectangular housings or casings and being designed for engagement in the angular notches or shoulders 6, 6 of the leaves or sheets in such a manner as to hold the lateral and forward edges thereof in accurate alignment when the leaves or sheets are in position in the binder, whereby unevenness of said edges of the leaves or sheets is prevented and whereby said leaves or sheets are also prevented from twisting or sliding over each other when in position within the binder.

The angular formation of the corner shoulders or cut-out portions 6, 6 with their inner edges alined with the lateral or upper and lower edges of the leaf or sheet permits accurate engagement of said shoulders or cut-out portions with the right-angled alining devices 7, 7 of the binder-back without in any way hindering or interfering with the ready insertion or removal of the respective leaves or sheets, such removal or insertion being conveniently effected upon rearward edgewise movement of the desired leaf or sheet from or toward the binder-back whereby the parallel inner edges of the shoulders 6, 6 are slid out of or into engagement with the inner

faces of the rectangular casings or housings 7, 7, which form the alining devices of the binder-back.

The improved leaf or sheet constructed according to my invention is of an extremely simple and inexpensive nature and is especially well adapted for use by reason of the uniform alinement of the edges of the sheets attained when the leaves or sheets are in place within the binder, and it will be obvious from the above description that the improved leaf or sheet is capable of some modification without material departure from the principles and spirit of the invention and for this reason I do not desire to be understood as limiting myself to the precise form and arrangement of the improved leaf or sheet herein set forth in carrying out my invention in practice.

Having thus described my invention, what I claim and desire to secure by Letters-Patent is—

1. A rectangular sheet or leaf for loose-

leaf binders and the like, also having straight sides or edges and with its inner straight binding edge provided with a series of perforations for the passage of sheet or leaf retaining means of a binder and having the extreme opposite ends or corners of its said binding edge shouldered or cut away at right-angles and alined with said perforations, and said cut-out or open right-angled corners being adapted to freely engage correspondingly right-angled alining devices at the opposite ends of a binder-back.

2. A sheet for loose leaf binders having its corners angularly cut away to cooperate with alining devices of the binder, there being a plurality of openings 3, formed in said sheet and a plurality of slits 5, the latter leading from said openings to the adjacent edge of the sheet.

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Witnesses:

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